INDEX TO VOLUME 37

An asterisk (*) denotes the abstract of a paper presented before the Academy or an affiliated society.

PROCEEDINGS OF THE ACADEMY AND AFFILIATED SOCIETIES

Anthropological Society of Washington. 106.
Geological Society of Washington. 368.
Philosophical Society of Washington. 26.
Washington Academy of Sciences. 105, 142, 178, 217, 412, 436.

AUTHOR INDEX

ADAMS, L. H. Howard Shreve Roberts (obituary). 416.

ALLARD, H. A. The ecology of the wild kidney bean *Phaseolus polystachios* (L.) BSP. 306.

ANDERSON, LAUREN D. See LATTA, RANDALL. 397.

ANDREWS, DAVID A. *Significance of stylolites in sandstone. 372.

ASTIN, A. V. *The development of the radio proximity fuze for bombs and rockets. 28.

BALSLEY, J. See MCKELVEY, V. E. 370.

BARBER, H. G. Revision of the genus *Nysius* in the United States and Canada (Hemiptera Heteroptera: Lygaeidae). 354.

BARBER, H. S. A new *Schematiza* on *Cordia* in Trinidad (Coleoptera: Chrysomelidae). 242.

BARTSCH, PAUL. Notes on some Mexican urocoptid mollusks, with the description of new species. 284.

———. Some Mexican urocoptid mollusks. 141.

BARTUNEK, PAUL F. *The significance of the symbols of physics. 27.

BEAMS, J. W. High centrifugal fields. 221.

BENNETT, R. D. *The future of science under government. 29.

BLACKWELDER, ELIOT. Geology of Hat Island, Great Salt Lake, Utah. 159.

BLAKE, DORIS H. A new genus of flea beetles from the West Indies. 92.

———. New eumolpid beetles from the West Indies. 310.

BRADY, F. J. *Radioactive antimony in medicine. 31.

BUCHANAN, L. L. A correction and two new races in *Graphognathus* (white-fringed beetles) (Coleoptera: Curculionidae). 19.

CLAFFY, ESTHER W. *Spectrochemical analysis of rocks and minerals. 371.

CLARKE, J. F. GATES. New North American species and new assignments in the genus *Chionodes* (Lepidoptera: Gelechiidae). 243.

———. Notes on, and new species of, American moths of the genus *Filatima* Busck (Gelechiidae: Lepidoptera). 263.

———. Notes on Oecophoridae, with descriptions of new species. 2.

CURRIER, L. W. Granitization and its significance as a regional metamorphic process in New England. 75.

——— and WILLIAMS, J. S. Gerald Francis Loughlin (obituary). 107.

CURTIS, H. L. *Interior ballistics measurements: Method of recording. 32.

DEIGNAN, H. G. The races of the minivet *Pericrocotus peregrinus* (Linnaeus) in southeastern Asia. 254.

———. The southernmost race of the white-browed rufous piculet. 25.

———. Two new babblers (Timaliidae) from southeastern Asia. 104.

DRYDEN, HUGH L. Exploring the fundamentals of aerodynamics. 145.

EWAN, JOSEPH. A revision of *Chorisepalum*, an endemic genus of Venezuelan Gentianaceae. 392.

———. Willis Linn Jepson (obituary). 414.

FASSETT, NORMAN C. *Veronica connata* Rafinesque. 353.

FISHER, A. K. Gifford Pinchot (obituary). 218.

FLINT, D. E. See GUILD, PHILIP W. 368.

FOSHAG, W. F. *The Parícutin volcano's first year. 32.

GARDNER, I. C. *Scientific and technical development of the German optical industry during the war. 30.

GILLIAM, CHARLES EDGAR. Powhatan Algonkian bird names: The Aushouetta (Topsell) or the Ahshowcutters (Strachey): *Richmondena cardinalis*. 1.

GINSBURG, ISAAC. American species and subspecies of *Bathygobius*, with a demonstration of a suggested modified system of nomenclature. 275.

GLASS, BRYAN P. See SMITH, HOBART M. 22.

GUILD, PHILIP W., and FLINT, D. E. *Chromite deposits of Camagüey Province, Cuba. 368.

GURNEY, ASHLEY B. A new species of *Pristocerthophilus* from Oregon, and remarks on certain special glands of Orthoptera (Gryllacrididae; Rhapidophorinae). 430.

HAFSTAD, L. R. *The development of the radio proximity fuze for shells. 28.

HAMILTON, RODGERS D. The southernmost *Natrix*. 436.

HARRINGTON, JOHN P. The word for seal (Pinnipedia) in various languages. 109.

HARTMAN, OLGA. *Disoma franciscanum*, a new marine annelid from California. 160.

HAWKES, HERBERT E., Jr. *Magnetic exploration for Adirondack iron ore. 373.

———. *The Geological Survey's geochemical prospecting unit. 375.

HENBEST, LLOYD G. *The Morrow group of northwest Arkansas. 373.

HERMANN, FREDERICK J. Studies in *Lonchocarpus* and related genera, I: A synopsis of *Willardia*. 427.

———. The Amazonian varieties of *Lonchocarpus nicou*, a rotenone-yielding plant. 111.

HOCHBERG, S. See LATTA, RANDALL. 397.

HOFFMAN, JAMES I. James Hopwood Jeans (obituary). 143.
HOLDER, PRESTON. The Motilones: Some untouched tropical forest peoples in northwestern South America. 417.
HOOGSTRAAL, HARRY. See KING, WILLARD V. 113.
HSIAO, TSAI-YU, and SAILER, REECE I. The orchid bugs of the genus *Tenthecoris* Scott (Hemiptera: Miridae). 64.
HUMES, ARTHUR G. A new harpacticoid copepod from Bornean crabs. 170.
HUMPHREYS, CURTIS J. Charles Albert Browne (obituary). 220.
HUMPHREYS, W. J. *The Philosophical Society in its youth. 30.
IRVING, GEORGE W., JR. The significance of tomatin in plant and animal disease. 293.
JAMES, MAURICE T., and MASLIN, T. PAUL. Notes on myiasis of the toad, *Bufo boreas boreas* Baird and Girard. 366.
JENKINS, ANNA E. A new species of *Elsinoë* on capulín cherry (*Prunus capuli*). 86.
JOHNSON, I. See LATTA, RANDALL. 397.
JOHNSTON, EARL S. An establishment was established. 37.
JOHNSTON, WILLIAM D., JR. *The Geological Survey in Latin America. 376.
KING, WILLARD V., and HOOGSTRAAL, HARRY. New Guinea species of mosquitoes of the genus *Aedes*, subgenus *Aedes*. 113.
KLEPPER, M. R. See PECORA, W. T. 370.
KNIGHT, KENNETH L. The *Aedes* (*Mucidus*) mosquitoes of the Pacific (Diptera: Culicidae). 315.
KRACEK, F. C. *Interior ballistics measurements: Measurement of gas temperature. 33.
KRANTZ, JOHN. *The mechanism of action of antibacterial drugs. 27.
LARRABEE, D. M. See PECORA, W. T. 370.
LAMER, V. K. See LATTA, RANDALL. 397.
LATTA, RANDALL; ANDERSON, LAUREN D.; ROGERS, E. E.; LAMER, V. K.; HOCHBERG, S.; LAUTERBACH, H.; and JOHNSON, I. The effect of particle size and velocity of movement of DDT aerosols in a wind tunnel on the mortality of mosquitoes. 397.
LAUTERBACH, H. See LATTA, RANDALL. 397.
LEWIS, G. EDWARD. *Tertiary geology of northeastern Wind River Basin. 371.
MARSHALL, WADE H. *The dynamics of the central nervous system with special reference to vision. 26.
MASON, MARTIN A. Beach intelligence. 289.
MAYR, ERNST. Notes on tailorbirds (*Orthotomus*) from the Philippine Islands. 140.
MCKELVEY, V. E., and BALSLEY, J. *Distribution of black sands along part of the south Atlantic coast as mapped from an airplane. 370.
MILLER, RALPH L. *Structure of the Cumberland overthrust block in southwest Va. 374.
MOON, C. *Interior ballistics measurements: Measurement of pressure. 32.
MURATA, K. J., and SMITH, R. L. *Red fluorescing halite from California and Idaho. 373.
OEHSER, PAUL H. Joseph Henry builds an institution. 377.
PARR, LELAND W. Albert Clayton Hunter (obituary). 218.
PEARSE, A. S. Observations on the occurrence of certain barnacles and isopods at Beaufort, N. C. 325.
PECORA, W. T., KLEPPER, M. R., and LARRABEE, D. M. *Mica-bearing pegmatites in Minas Gerais, Brazil. 370.
PENN, GEORGE HENRY. See STONE, ALAN. 89.
PLYLER, E. K. *Applications of infra-red spectrometry to chemical analyses and molecular problems. 31.
RAPPLEYE, HOWARD S. Henry Godfrey Avers (obituary). 143.
RIPLEY, S. DILLON. A report on the birds collected by Logan J. Bennett on Nissan Island and the Admiralty Islands. 95.
ROBERTS, H. S. *Interior ballistics measurements: Motion of projectile. 33.
ROBINSON, G. D. *The 1945 eruption in Tulik Caldera, Umnak Island, Alaska. 368.
ROGERS, E. E. See LATTA, RANDALL. 397.
ROSS, CLYDE P. *Structure of the front of the Bitterroot Range, Montana. 375.
RUARK, ARTHUR E. *A plan for scientific progress in pure physics. 26.
SAILER, REECE I. See HSIAO, TSAI-YU. 64.
SHIMKIN, D. B. Wind River Shoshone literary forms: An introduction. 329.
SHOEMAKER, CLARENCE R. Further notes on the amphipod genus *Corophium* from the east coast of America. 47.
SMITH, HOBART M. Notes on Mexican amphibians and reptiles. 408.
——— and GLASS, BRYAN P. A new musk turtle from Southeastern United States. 22.
SMITH, ROBERT L. See MURATA, K. J. 373.
STANDLEY, PAUL C. Elmer Ottis Wooton (obituary). 34.
STIRLING, M. W. Arikara glassworking. 257.
STONE, ALAN, and PENN, GEORGE HENRY. A new species of *Culex* from New Guinea (Diptera, Culicidae). 89.
STRACZEK, JOHN A. *Manganese deposits in eastern Cuba. 369.
SWENSON, FRANK A. *Geologic work for military forces on Iwo Jima, Okinawa, and in Korea. 371.
TRAUB, ROBERT. A new species of flea of the genus *Opisodasys* from Mexico. 134.
VEGAS, LUIS FELIPE. Harmony among vital substances. 296.
VENNING, FRANK D. Variations of accessory vascularization in four species of *Citrus* and their possible application as new taxonomic characters. 210.
WALLACE, ROBERT E. *Notes on permafrost investigations in Alaska. 372.
WEDEL, WALDO R. Note on some potsherds from northeastern Wyoming. 157.
WESLAGER, C. A. Further light on the Delaware Indians as women. 298.
WETMORE, ALEXANDER. The races of the violet-crowned hummingbird, *Amazilia violiceps*. 103.

WHITE, LESLIE A. The expansion of the scope of science. 181.

WILLEY, GORDON R. A Middle Period cemetery in the Virú Valley, northern Peru. 41.

WILLIAMS, J. S. See L. W. CURRIER. 107.

WITTHOFT, JOHN. An early Cherokee ethnobotanical note. 73.

———. Notes on a Cherokee migration story. 304.

WOODRING, WENDELL P. *Marine terrace deposits of mountainous coasts. 376.

WYCKOFF, RALPH W. G. *Shadowed electron micrographs. 27.

YOUNG, STANLEY P. Edward Alphonso Goldman (obituary). 35.

SUBJECT INDEX

Archeology. A Middle Period cemetery in the Virú Valley, northern Peru. GORDON R. WILLEY. 41.

Note on some potsherds from northeastern Wyoming. WALDO R. WEDEL. 157.

Biophysics. *Shadowed electron micrographs. RALPH W. G. WYCKOFF. 27.

Harmony among vital substances. LUIS FELIPE VEGAS. 296.

Biochemistry. The significance of tomatin in plant and animal disease. GEORGE W. IRVING, JR. 293.

Botany. A new species of *Elsinoë* on capulín cherry (*Prunus capuli*). ANNA E. JENKINS. 86.

A revision of *Chorisepalum*, an endemic genus of Venezuelan Gentianaceae. JOSEPH EWAN. 392.

Studies in *Lonchocarpus* and related genera, I: A synopsis of *Willardia*. FREDERICK J. HERMANN. 427.

The Amazonian varieties of *Lonchocarpus nicou*, a rotenone-yielding plant. FREDERICK J. HERMANN. 111.

The ecology of the wild kidney bean *Phaseolus polystachios* (L.) BSP. H. A. ALLARD. 306.

Variations of accessory vascularization in four species of *Citrus* and their possible application as new taxonomic characters FRANK D. VENNING. 210.

Veronica connata Rafinesque. NORMAN C. FASSETT. 353.

Chemistry. *Red fluorescing halite from California and Idaho. K. J. MURATA and ROBERT L. SMITH. 373.

*Spectrochemical analysis of rocks and minerals. ESTHER W. CLAFFY. 371.

Cultural anthropology. The expansion of the scope of science. LESLIE A. WHITE. 181.

Economic entomology. The effect of particle size and velocity of movement of DDT aerosols in a wind tunnel on the mortality of mosquitoes. RANDALL LATTA et al.

Engineering. Beach intelligence. MARTIN A. MASON. 289.

Entomology. A correction and two new races in *Graphognathus* (white-fringed beetles) (Coleoptera: Curculionidae). L. L. BUCHANAN. 19.

A new genus of flea beetles from the West Indies. DORIS H. BLAKE. 92.

A new *Schematiza* on *Cordia* in Trinidad (Coleoptera: Chrysomelidae). H. S. BARBER. 242.

A new species of *Culex* from New Guinea (Diptera, Culicidae). ALAN STONE and GEORGE HENRY PENN. 89.

A new species of flea of the genus *Opisodasys* from Mexico. ROBERT TRAUB. 134.

A new species of *Pristoceuthophilus* from Oregon, and remarks on certain special glands of Orthoptera (Gryllacrididae; Rhaphidophorinae). ASHLEY B. GURNEY. 430.

New eumolpid beetles from the West Indies. DORIS H. BLAKE. 310.

New Guinea species of mosquitoes of the genus *Aedes*, subgenus *Aedes*. WILLARD V. KING and HARRY HOOGSTRAAL. 113.

New North American species and new assignments in the genus *Chionodes* (Lepidoptera: Gelechiidae). J. F. GATES CLARKE. 243.

Notes on, and new species of, American moths of the genus *Filatima* Busck (Gelechiidae: Lepidoptera). J. F. GATES CLARKE. 263.

Notes on Oecophoridae, with descriptions of new species. J. F. GATES CLARKE. 2.

Revision of the genus *Nysius* in the United States and Canada (Hemiptera Heteroptera: Lygaeidae). H. G. BARBER. 354.

The *Aedes* (*Mucidus*) mosquitoes of the Pacific (Diptera: Culicidae). KENNETH L. KNIGHT. 315.

The orchid bugs of the genus *Tenthecoris* Scott (Hemiptera: Miridae). TSAI-YU HSIAO and REECE I. SAILER. 64.

Ethnology. An early Cherokee ethnobotanical note. JOHN WITTHOFT. 73.

Arikara glassworking. MATTHEW W. STIRLING. 257.

Further light on the Delaware Indians as women. C. A. WESLAGER. 298.

Notes on a Cherokee migration story. JOHN WITTHOFT. 304.

Powhatan Algonkian bird names: The Aushouetta (Topsell) or the Ahshowcutters (Strachey): *Richmondena cardinalis*. CHARLES EDGAR GILLIAM. 1.

The Motilones: Some untouched tropical peoples in northwestern South America. PRESTON HOLDER. 417.

Wind River Shoshone literary forms: An introduction. D. B. SHIMKIN. 329.

General science. *The future of science under government. R. D. BENNETT. 29.

Geology. *Chromite deposits of Camagüey Province, Cuba. PHILIP W. GUILD and D. E. FLINT. 368.

*Distribution of black sands along part of the south Atlantic coast as mapped from an airplane. V. E. McKelvey and J. Balsley. 370.
*Geologic work for military forces on Iwo Jima, Okinawa, and in Korea. Frank A. Swenson. 371.
Geology of Hat Island, Great Salt Lake, Utah. Eliot Blackwelder. 159.
Granitization and its significance as a regional metamorphic process in New England. L. W. Currier. 75.
*Magnetic exploration for Adirondack iron ore. Herbert E. Hawkes, Jr. 373.
*Manganese deposits in eastern Cuba. John A. Straczek. 369.
*Marine terrace deposits of mountainous coasts. Wendell P. Woodring. 376.
*Mica-bearing pegmatites in Minas Gerais, Brazil. W. T. Pecora, M. R. Klepper, and D. M. Larrabee. 370.
*Notes on permafrost investigations in Alaska. Robert E. Wallace. 372.
*Significance of stylolites in sandstone. David A. Andrews. 372.
*Structure of the Cumberland overthrust block in southwest Virginia. Ralph L. Miller. 374.
*Structure of the front of the Bitterroot Range, Montana. Clyde P. Ross. 375.
*Tertiary geology of northeastern Wind River Basin. G. Edward Lewis. 371.
*The Geological Survey in Latin America. William D. Johnston, Jr. 376.
*The Geological Survey's geochemical prospecting unit. H. E. Hawkes, Jr. 375.
*The Morrow group of northwest Arkansas. Lloyd G. Henbest. 373.
*The 1945 eruption in Tulik Caldera, Umnak Island, Alaska. G. D. Robinson. 368.
*The Parícutin volcano's first year. W. F. Foshag. 32.
Herpetology. A new musk turtle from Southeastern United States. Hobart M. Smith and Bryan P. Glass. 22.
History of science. An establishment was established. Earl S. Johnston. 37.
Joseph Henry builds an institution. Paul H. Oehser. 377.
*The Philosophical Society in its youth. W. J. Humphreys. 30.
Ichthyology. American species and subspecies of *Bathygobius*, with a demonstration of a suggested modified system of nomenclature. Isaac Ginsburg. 275.
Linguistics. The word for seal (Pinnipedia) in various languages. J. P. Harrington. 109.
Medicine. *Radioactive antimony in medicine. F. J. Brady. 31.
Obituaries.
Avers, Henry Godfrey. 143. Browne, Charles Albert. 220. Goldman, Edward Alphonso. 35. Hunter, Albert Clayton. 218. Jeans, James Hopwood. 143. Jepson, Willis Linn. 414. Loughlin, Gerald Francis. 107. Pinchot, Gifford. 218. Roberts, Howard Shreve. 416. Wooton, Elmer Ottis. 34.
Ornithology. A report on the birds collected by Logan J. Bennett on Nissan Island and the Admiralty Islands. S. Dillon Ripley. 95.
Notes on tailorbirds (*Orthotomus*) from the Philippine Islands. Ernst Mayr. 140.
The races of the minivet *Pericrocotus peregrinus* (Linnaeus) in southeastern Asia. H. G. Deignan. 254.
The races of the violet-crowned hummingbird, *Amazilia violiceps*. Alexander Wetmore. 103.
The southernmost race of the white-browed rufous piculet. H. G. Deignan. 25.
Two new babblers (Timaliidae) from southeastern Asia. H. G. Deignan. 104.
Pharmacology. *The mechanism of action of antibacterial drugs. John Krantz. 27.
Physics. *A plan for scientific progress in pure physics. Arthur E. Ruark. 26.
*Applications of infra-red spectrometry to chemical analyses and molecular problems. E. K. Plyler. 31.
Exploring the fundamentals of aerodynamics. Hugh L. Dryden. 145.
High centrifugal fields. J. W. Beams. 221.
*Interior ballistics measurements: Measurement of gas temperature. F. C. Kracek. 33.
*Interior ballistics measurements: Measurement of pressure. C. Moon. 32.
*Interior ballistics measurements: Method of recording. H. L. Curtis. 32.
*Interior ballistics measurements: Motion of projectile. H. S. Roberts. 33.
*Scientific and technical development of the German optical industry during the war. I. C. Gardner. 30.
*The development of the radio proximity fuze for bombs and rockets. A. V. Astin. 28.
*The development of the radio proximity fuze for shells. L. R. Hafstad. 28.
*The significance of the symbols of physics. Paul F. Bartunek. 27.
Physiology. *The dynamics of the central nervous system with species reference to vision. Wade H. Marshall. 26.
Zoology. A new harpacticoid copepod from Bornean crabs. Arthur G. Humes. 170.
Dioma franciscanum, a new marine annelid from California. Olga Hartman. 160.
Further notes on the amphipod genus *Corophium* from the east coast of America. Clarence R. Shoemaker. 47.
Notes on Mexican amphibians and reptiles. Hobart M. Smith. 408.
Notes on myiasis of the toad, *Bufo boreas boreas* Baird and Girard. Maurice T. James and T. Paul Maslin. 366.
Notes on some Mexican urocoptid mollusks, with the description of new species. Paul Bartsch. 284.
Observations on the occurrence of certain barnacles and isopods at Beaufort, N. C. A. S. Pearse. 325.
Some Mexican urocoptid mollusks. Paul Bartsch. 141.
The southernmost *Natrix*. Rodgers D. Hamilton. 436.